

Standards Actions October 2003

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Program Web Site at
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DOE Technical Standards Program Document Status

09-30-2003

Activity Summary

In Conversion – 4

In Preparation – 54

Out for Comment – 36

Published this Month – 1



5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 9

Cancellation Pending – 19

Cancellation in Progress – 4

No Current Action – 0

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STANDARDS ACTIONS



DOE Technical Standards Projects Initiated

Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on “DOE Technical Standards,” then click on “Projects” in the left-hand frame to show the links to the project lists.

- *Radiation Protection Qualification Standard*, Project TRNG-0041, Peter O’Connell, EH-52; Phone 301-903-5641, Fax 301-903-7773, e-mail [Peter.O’Connell@eh.doe.gov](mailto:Peter.O'Connell@eh.doe.gov).
- *Facility Maintenance Management Functional Area Qualification Standard*, Project TRNG-0042, Norman Schwartz, EH-22; Phone 301-903-2996, Fax 301-903-6172, e-mail Norm.Schwartz@eh.doe.gov.

DOE Technical Standards Recently Canceled

The following DOE Technical Standard was reevaluated under the 5-year Periodic Document Review (Sunset Review) provision of the Technical Standards Program Procedures (TSPPs).

No update action has been initiated for the standard listed below, or the standard is no longer needed; as a result the standard was canceled. If you have any questions or comments about this action, please contact the Technical Standards Manager of the responsible Preparing Activity.

Preparing Activity—EH; James G. Bisker, 301-903-6542, Jim.Bisker@hq.doe.gov.

- DOE-HDBK-1062-96, *DOE Fire Protection Handbook*, August 1996.

DOE Technical Standards Recently Published

The following DOE Technical Standard was recently published and posted on the TSP Web site:

- DOE-STD-1121-2003, *Internal Dosimetry*, September 2003.

Published DOE Standards (DOE Standards, Specifications, Handbooks, and Technical Standards lists) may be obtained as follows:

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; phone 800-473-4375, fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; phone 703-605-6000, fax 703-605-6900.

Copies are also available on the TSP Web site.

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Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112; phone 800-854-7179; fax 303-397-2740, global@iht.com, <http://global.iht.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ANS 8.14-200x, *Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors* (new standard) – November 25, 2003.
- ASHRAE 55P-200x, *Thermal Environmental Conditions for Human Occupancy* (new standard) – October 13, 2003.
- ASME A112.20.2-200x, *Qualification of Installers of Firestop Systems and Devices for Piping Systems* (new standard) – November 18, 2003.
- ASTM E176-200x, *Terminology of Fire Standards* (revision of ANSI/ASTM E176-2002) – October 27, 2003.
- ASTM E1472-200x, *Guide for Documenting Computer Software for Fire Models* (revision of ANSI/ASTM E1472-92 (R1998)) – October 27, 2003.

- ASTM E1605-200x, *Terminology Relating to Lead in Buildings* (revision of ANSI/ASTM E1605-2002) – October 27, 2003.
- ASTM E2307-200x, *Test Method for Determining the Fire-Endurance of Perimeter Fire Barrier Systems Using the Intermediate-Scale, Multi-Story Test Apparatus* (new standard) – October 27, 2003.
- B11.16 (MPIF #47)-200x, *Machine Tools – Safety Requirements for Powder / Metal Compacting Presses* (new standard) – October 13, 2003.
- FMRC FM 3260-200x, *Radiant Energy-Sensing Fire Detectors for Automatic Fire Alarm Signaling* (new standard) – October 13, 2003.
- INCITS 353-200x, *Information technology – Geographical Information Systems – Spatial Data Standard for Facilities, Infrastructure, and Environment (SDSFIE)* (revision of ANSI INCITS 353-2001) – October 13, 2003.
- S2.1-200x, *Vibration and Shock Terminology* (revision and redesignation of ANSI S2.1-2000, ANSI/ISO 2041-1990) – October 27, 2003.
- UL 199-200x, *Standard for Safety for Automatic Sprinklers for Fire-Protection Service* (revision of ANSI/UL 199-2003) – October 27, 2003.
- UL 508C-200x, *Standard for Safety for Power Conversion Equipment* (revision of ANSI/UL 508C-2003) – November 3, 2003.
- UL 674-200x, *Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations* (revision of ANSI/UL 674-1993) – October 20, 2003.
- UL 943-200x, *Standard for Safety for Ground-Fault Circuit-Interrupters* (revision of ANSI/UL 943-2003) – October 27, 2003.
- UL 1203-200x, *Standard for Safety for Explosion-Proof and Dust-Ignition-Proof Equipment for Use in Hazardous (Classified) Locations* (revision of ANSI/UL 1203-2002) – October 19, 2003.
- UL 1275-200x, *Standard for Safety for Flammable Liquid Storage Cabinets* (revision of ANSI/UL 1275-1996) – October 13, 2003.
- UL 2085-200x, *Protected Aboveground Tanks for Flammable and Combustible Liquids* (revision of ANSI/UL 2085-1999) – November 10, 2003.
- UL 2201-200x, *Standard for Portable Engine-Generator Assemblies* (new standard) – October 13, 2003.
- Z97.1-200x, *Glazing Materials Used in Buildings, Safety Performance Specifications and Methods of Test* (revision of ANSI Z97.1-1984 (R1994)) – October 19, 2003.

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- Z358.1-200x, *Emergency Eyewash and Shower Equipment* (revision of ANSI Z358.1-1998) – November 11, 2003.

The following American National Standards have been approved for publication. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900. (Publication is to take place within six months following the date shown.)

- ANSI N42.20-2003, *Performance Criteria for Active Personnel Radiation Monitors* (revision of ANSI N42.20-1995) – August 22, 2003.
- ANSI/ASME A90.1-2003, *Safety Standard for Belt Manlifts* (revision of ANSI/ASME A90.1-1997) – August 14, 2003.
- ANSI/ASME B73.2M-2003, *Specifications for Vertical In-Line Centrifugal Pumps for Chemical Process* (revision of ANSI/ASME B73.2M-1991 (R1999)) – September 10, 2003.
- ANSI/ASME BPVC Revision: 2002 Addenda, *ASME Boiler and Pressure Vessel Code* (5/18/01 Mtg) (revision of ANSI/ASME BPVC Revision: 2001 Edition) – August 14, 2003.
- ANSI/ASME MFC-1M-2003, *Glossary of Terms Used in the Measurement of Fluid Flow in Pipes* (revision of ANSI/ASME MFC-1M-1991 (R1997)) – September 10, 2003.
- ANSI/ASTM E84-2003, *Test Method for Surface Burning Characteristics of Building Materials* (revision of ANSI/ASTM E84-2000A (R2001)) – August 10, 2003.
- ANSI/ASTM E699-2003, *Standard Criteria for Evaluation of Agencies Involved in Testing, Quality Assurance, and Evaluating Building Components in Accordance with Test Methods Promulgated by ASTM Committee E-6* (revision of ANSI/ASTM E699-1999) – August 25, 2003.
- ANSI/ASTM E2304-2003, *Practice for Use of a Photo-fluorescent Film Dosimetry System* (new standard) – July 10, 2003.
- ANSI/IEEE 1193-2003, *Guide for Measurement of Environmental Sensitivities of Standard Frequency Generators* (revision of ANSI/IEEE 1193-1994) – September 17, 2003.
- ANSI/ISEA 110-2003, *Air-Purifying Respiratory Protective Escape Devices* (new standard) – August 27, 2003.
- ANSI/NACE RP0502-2003, *Pipeline External Corrosion Direct Assessment Methodology* (new standard) – August 22, 2003.
- ANSI/UL 50-2003, *Standard for Safety for Enclosures for Electrical Equipment* (revision of ANSI/UL 50-1995) – August 19, 2003.

- ANSI/UL 268-2003, *Smoke Detectors for Fire Protective Signaling Systems* (revision of ANSI/UL 268-2002) – September 16, 2003.
- ANSI/UL 486A-486B-2003, *Standard for Safety for Wire Connectors* (revision and redesignation of ANSI/UL 486A-1998) – August 26, 2003.
- ANSI/UL 514D-2003, *Standard for Safety for Cover Plates for Flush-Mounted Wiring Devices* (new standard) – September 16, 2003.
- ANSI/UL 1277-2003, *Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members* (revision of ANSI/UL 1277-1997) – August 28, 2003.
- ANSI/UL 1995-2003, *Standard for Safety for Heating and Cooling Equipment* (revision of ANSI/UL 1995-1999) – August 25, 2003.

The following international standards are currently in coordination (comment due dates follow each entry):

- 45B/422/FDIS, 61098 Ed. 2: *Radiation protection instrumentation – Installed personnel surface contamination monitoring assemblies* – October 24, 2003.
- ISO/DIS 6182-9, *Fire protection – Automatic sprinkler system – Part 9: Requirements and test methods for water mist nozzles* – November 20, 2003.
- ISO/DIS 8299, *Nuclear fuel technology – Determination of isotopic content and elemental uranium and plutonium concentrations of nuclear materials in nitric acid solutions – Thermal-ionization mass spectrometry* – December 4, 2003.
- ISO/DIS 10019, *Guidelines for the selection of quality management system consultants and use of their services* – December 5, 2003.
- ISO/DIS 10294-5, *Fire resistance tests – Fire dampers for air distribution systems – Part 5: Test method for intumescent fire dampers* – November 16, 2003.
- ISO/DIS 12183, *Nuclear fuel technology – Controlled-potential coulometric assay of plutonium* – December 4, 2003.
- ISO/DIS 11483, *Nuclear fuel technology – Preparation of plutonium sources and determination of ²³⁸Pu/²³⁹Pu isotope ratio by alpha spectrometry* – December 14, 2003.
- ISO/DIS 14001, *Environmental management systems – Requirements with guidance for use* – November 29, 2003.
- ISO/DIS 14004, *Environmental management systems – General guidelines on principles, systems and supporting techniques* – November 29, 2003.
- ISO/DIS 16793, *Guide for ceramographic preparation of UO₂ sintered pellets for microstructure examination* – November 23, 2003.

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The following newly published international standards are available:

- IEC 60079-25 Ed. 1.0 b:2003, *Electrical apparatus for explosive gas atmospheres – Part 25: Intrinsically safe systems*.
- IEC 60695-11-10 Ed. 1.1 b:2003, *Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods*.
- IEC 60695-11-20 Ed. 1.1 b:2003, *Fire hazard testing – Part 11-20: Test flames – 500 W flame test methods*.
- ISO 1996-1:2003, *Acoustics – Description, measurement and assessment of environmental noise – Part 1: Basic quantities and assessment procedures*.
- ISO 7240-4:2003, *Fire detection and alarm systems – Part 4: Power supply equipment*.
- ISO 15665:2003, *Acoustics – Acoustic insulation for pipes, valves and flanges*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Chemistry Council (ACC)

Office: 1300 Wilson Blvd.
Arlington, VA 22209
Contact: Susan Blanco
Fax: 703-741-6227
E-mail: Susan_Blanco@americanchemistry.com

- Z129.1-200x, *Hazardous Industrial Chemicals – Precautionary Labeling* (revision of ANSI Z129.1-2000).

ASTM International (ASTM)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Contact: Faith Lanzetta
Fax: 610-832-9666
E-mail: F Lanzett@astm.org

- ASTM WK651-200x, *Practice for Set-up, Calibration and Quality Control of Instruments Used for Radioactivity Measurements* (new standard).

- ASTM WK2605-200x, *Guide for Laboratory Monitors* (new standard).

Institute of Electrical and Electronics Engineers (IEEE)

Office: 445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331
Contact: Naeem Ahmad
Fax: 732-562-1571
E-mail: n.ahmad@ieee.org

- IEEE 828-199x, *Standard for Software Configuration Management Plans* (new standard).
- IEEE 1142-200x, *Guide for the Selection, Testing, Application and Installation of Cables Utilizing Radial and/or Longitudinal Moisture Barriers* (new standard).

Laser Institute of America (LIA)

Office: 13501 Ingenuity Drive, Suite 128
Orlando, FL 32826
Contact: Barbara Sams
Fax: 407-380-5588
E-mail: bsams@laserinstitute.org

- Z136.5-200x, *Safe Use of Lasers in Educational Institutions* (revision of ANSI Z136.5-2000).

Underwriters Laboratories, Inc. (UL)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709
Contact: Tori Burnett
Fax: 919-316-5629
E-mail: Victoria.Burnett@us.ul.com

- UL 1449-200x, *Standard for Safety for Transient Voltage Surge Suppressors* (new standard).
- UL 2351-200x, *Spray Nozzles for Fire-Protection Service* (new standard).

ASTM International

Standards activities of ASTM International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691, fax 610-832-9667. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585, fax 610-832-9555. Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination

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Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672, fax 610-832-9666. Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is October 10, 2003):

- C 335-95, *Test Method for Steady-state Heat Transfer Properties of Horizontal Pipe Insulation* – revised standard.
- E 176-02E01, *Terminology of Fire Standards* – revised standard.
- E 1472-92 (1998), *Guide for Documenting Computer Software for Fire Models* – revised standard.
- F 1656-01, *Guide for Health and Safety Training of Oil Spill Responders in the United States* – revised standard.

The following newly published standards are available from ASTM:

- C 168-03, *Terminology Relating to Thermal Insulation* – revised standard.
- C 1347-02, *Practice for Preparation and Dissolution of Uranium Materials for Analysis* – revised standard.
- C 1432-03, *Test Method for Determination of Impurities in Plutonium: Acid Dissolution, Ion Exchange Matrix Separation, and Inductively Coupled Plasma-atomic Emission Spectroscopic ICP/AES Analysis* – revised standard.
- E 402-02, *Test Method for Spectrographic Analysis of Uranium Oxide U* – revised standard.
- E 720-02 (Includes change to title), *Guide for Selection and Use of Neutron Sensors for Determining Neutron Spectra Employed in Radiation-Hardness Testing of Electronics* – revised standard.
- E 1005-03, *Test Method for Application and Analysis of Radiometric Monitors for Reactor Vessel Surveillance, E706 IIIA* – revised standard.
- E 1114-03, *Test Method for Determining the Focal Size of Iridium-192 Industrial Radiographic Sources* – revised standard.
- E 1817-03, *Practice for Controlling Quality of Radiological Examination by Using Representative Quality Indicators RQIS* – revised standard.

Comments, Questions, and Addresses



Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), Phone 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.



Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, Phone 865-574-0398, Fax 865-574-8481, queenerds@ornl.gov.



Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, queenerds@ornl.gov.